Welcome to DialogClassic Web(tm)

Dialog level 02.12.60D
Last logoff: 24feb03 11:01:53
Logon file405 27feb03 16:50:27

***** ANNOUNCEMENT *****

***

--File 515 D&B Dun's Electronic Business Directory is now online completely updated and redesigned. For details, see HELP NEWS 515.

***

--File 990 - NewsRoom now contains October 2002 to present records. File 993 - NewsRoom archive contains 2002 records from January 2002-September 2002. To search all 2002 records, BEGIN 990,993 or B NEWS2002

***

--Alerts have been enhanced to allow a single Alert profile to be stored and run against multiple files. Duplicate removal is available across files and for up to 12 months. The Alert may be run according to the file's update frequency or according to a custom calendar-based schedule. There are no additional prices for these enhanced features. See HELP ALERT for more information.

***

--U.S. Patents Fulltext (File 654) has been redesigned with new search and display features. See HELP NEWS 654 for information.

***

--Connect Time joins DialUnits as pricing options on Dialog. See HELP CONNECT for information. ***

--CLAIMS/US Patents (Files 340,341, 942) have been enhanced with both application and grant publication level in a single record. See HELP NEWS 340 for information.

***

--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.

***

--Important news for public and academic libraries. See HELP LIBRARY for more information.

***

--Important Notice to Freelance Authors--
See HELP FREELANCE for more information

***

For information about the access to file 43 please see Help News43.
***

NEW FILES RELEASED
***Dialog NewsRoom - Current 3-4 months (File 990)
***Dialog NewsRoom - 2002 Archive (File 993)
***Dialog NewsRoom - 2001 Archive (File 994)
***Dialog NewsRoom - 2000 Archive (File 995)
***TRADEMARKSCAN-Finland (File 679)
***TRADEMARKSCAN-Norway (File 678)
***TRADEMARKSCAN-Sweden (File 675)

***

UPDATING RESUMED
***Delphes European Business (File 481)

***

RELOADED
***D&B Dun's Electronic Business Directory (File 515)
***U.S. Patents Fulltext 1976-current (File 654)
***Population Demographics (File 581)
***Kompass Western Europe (File 590)
***D&B - Dun's Market Identifiers (File 516)

REMOVED
***Chicago Tribune (File 632)
***Fort Lauderdale Sun Sentinel (File 497)
***The Orlando Sentinel (File 705)

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***Newport News Daily Press (File 747)
***U.S. Patents Fulltext 1980-1989 (File 653)
***TOXNET data is added to ToxFile (F156)

***New document supplier***
IMED has been changed to INFOTRIE (see HELP OINFOTRI)


     >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
     >>>    of new databases, price changes, etc.      <<<
                    *** DIALOG HOMEBASE(SM) Main Menu ***

 Information:
  1.  Announcements (new files, reloads, etc.)
  2.  Database, Rates, & Command Descriptions
  3.  Help in Choosing Databases for Your Topic
  4.  Customer Services (telephone assistance, training, seminars, etc.)
  5.  Product Descriptions

 Connections:
  6.  DIALOG(R) Document Delivery
  7.  Data Star(R)

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      /H = Help            /L = Logoff          /NOMENU = Command Mode


Enter an option number to view information or to connect to an online
 service.  Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
?
>>Invalid Option Number
                    *** DIALOG HOMEBASE(SM) Main Menu ***

 Information:
  1.  Announcements (new files, reloads, etc.)
  2.  Database, Rates, & Command Descriptions
  3.  Help in Choosing Databases for Your Topic
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  5.  Product Descriptions

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      /H = Help            /L = Logoff          /NOMENU = Command Mode

Enter an option number to view information or to connect to an online
 service.  Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).
?
B 155, BIOTECH
       27feb03 16:53:53 User268152 Session D17.1
            $0.00    0.231 DialUnits FileHomeBase
     $0.00  Estimated cost FileHomeBase
     $0.92  INTERNET
     $0.92  Estimated cost this search
     $0.92  Estimated total session cost   0.231 DialUnits

SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R)  1966-2003/Feb W4
        (c) format only 2003 The Dialog Corp.
```

File 5:Biosis Previews(R) 1969-2003/Feb W4
(c) 2003 BIOSIS
***File 5: Alert feature enhanced for multiple files, duplicates** removal, customized scheduling. See HELP ALERT.
File 6:NTIS 1964-2003/Feb W4
(c) 2003 NTIS, Intl Cpyrght All Rights Res
***File 6: Alert feature enhanced for multiple files, duplicates** removal, customized scheduling. See HELP ALERT.
File 8:Ei Compendex(R) 1970-2003/Feb W3
(c) 2003 Elsevier Eng. Info. Inc.
***File 8: Alert feature enhanced for multiple files, duplicates** removal, customized scheduling. See HELP ALERT.
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Feb W3
(c) 2003 Inst for Sci Info
***File 34: Alert feature enhanced for multiple files, duplicates** removal, customized scheduling. See HELP ALERT.
File 65:Inside Conferences 1993-2003/Feb W4
(c) 2003 BLDSC all rts. reserv.
File 71:ELSEVIER BIOBASE 1994-2003/Feb W4
(c) 2003 Elsevier Science B.V.
File 73:EMBASE 1974-2003/Feb W4
(c) 2003 Elsevier Science B.V.
***File 73: Alert feature enhanced for multiple files, duplicates** removal, customized scheduling. See HELP ALERT.
File 94:JICST-EPlus 1985-2003/Feb W4
(c)2003 Japan Science and Tech Corp(JST)
***File 94: UDs have been adjusted to reflect current months data. There is** no data missing.
File 98:General Sci Abs/Full-Text 1984-2003/Jan
(c) 2003 The HW Wilson Co.
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Jan
(c) 2003 The HW Wilson Co.
File 135:NewsRx Weekly Reports 1995-2003/Feb W2
(c) 2003 NewsRx
***File 135: New newsletters are now added. See Help News135 for the** complete list of newsletters.
File 143:Biol. & Agric. Index 1983-2003/Jan
(c) 2003 The HW Wilson Co
File 144:Pascal 1973-2003/Feb W3
(c) 2003 INIST/CNRS
File 172:EMBASE Alert 2003/Feb W4
(c) 2003 Elsevier Science B.V.
File 266:FEDRIP 2003/Dec
Comp & dist by NTIS, Intl Copyright All Rights Res
File 315:ChemEng & Biotec Abs 1970-2003/Jan
(c) 2003 DECHEMA
File 357:Derwent Biotech Res. _1982-2003/Feb W4
(c) 2003 Thomson Derwent & ISI
***File 357: File is now current. See HELP NEWS 357.**
Alert feature enhanced for multiple files, etc. See HELP ALERT.
File 358:Current BioTech Abs 1983-2003/Jan
(c) 2003 DECHEMA
File 369:New Scientist 1994-2003/Feb W3
(c) 2003 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
***File 370: This file is closed (no updates). Use File 47 for more current** information.
File 399:CA SEARCH(R) 1967-2003/UD=13809
(c) 2003 American Chemical Society
***File 399: Use is subject to the terms of your user/customer agreement.**
Alert feature enhanced for multiple files, etc. See HELP ALERT.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

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      Set   Items   Description
      ---   -----   -----------
?
S AU=(JONES R? OR JONES, R?)
           45765   AU=JONES R?
           16890   AU=JONES, R?
      S1   62655   AU=(JONES R? OR JONES, R?)
?
S AU(BRANDENBURG D? OR BRANDENBURG, D?)
               0   AU(BRANDENBURG D?
               0   BRANDENBURG, D?)
      S2       0   AU(BRANDENBURG D? OR BRANDENBURG, D?)
?
S AU=(BRANDENBURG D? OR BRANDENBURG, D?)
             659   AU=BRANDENBURG D?
             295   AU=BRANDENBURG, D?
      S3     954   AU=(BRANDENBURG D? OR BRANDENBURG, D?)
?
S AU=(SHOJAEE-MORADI F? OR SHOJAEE-MORADI, F?)
               3   AU=SHOJAEE-MORADI F?
               4   AU=SHOJAEE-MORADI, F?
      S4       7   AU=(SHOJAEE-MORADI F? OR SHOJAEE-MORADI, F?)
?
S AU=(KLEINJUNG J? OR KLEINJUNG, J?)
              28   AU=KLEINJUNG J?
              12   AU=KLEINJUNG, J?
      S5      40   AU=(KLEINJUNG J? OR KLEINJUNG, J?)
?
S S1:S5
      S6   63552   S1:S5
?
S S6 AND INSULIN
           63552   S6
         1030524   INSULIN
      S7    1628   S6 AND INSULIN
?
S S7 AND TRIIODOTHYRONINE
            1628   S7
           77074   TRIIODOTHYRONINE
      S8       1   S7 AND TRIIODOTHYRONINE
?
S S6 AND TRIIODOTHYRONINE
           63552   S6
           77074   TRIIODOTHYRONINE
      S9      21   S6 AND TRIIODOTHYRONINE
?
T S8/3,K/ALL
>>>KWIC option is not available in file(s): 399

 8/3,K/1      (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2003 American Chemical Society. All rts. reserv.

132050258    CA: 132(5)50258e    PATENT
Preparation of triiodothyronine derivative of insulin
  INVENTOR(AUTHOR): Jones, Richard Henry; Brandenburg, Dietrich;
Shojaee-Moradi, Fariba; Kleinjung, Jens
  LOCATION: UK,
  ASSIGNEE: Kings College London; Deutsches Wollforschungsinstitut
  PATENT: PCT International ; WO 9965941 A1  DATE: 19991223
  APPLICATION: WO 98GB1722 (19980612)
  PAGES: 14 pp.  CODEN: PIXXD2  LANGUAGE: English  CLASS: C07K-014/62A;
A61K-038/17B  DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY;
CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; GW; HU; ID; IL; IS;
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JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH ; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG
?
T S9/3,K/ALL
>>>KWIC option is not available in file(s): 399

9/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2003 The Dialog Corp. All rts. reserv.

08656045 96006941 PMID: 7554696
A basis for overheat production in SIDS.
Jones R E
Clinical pediatrics (UNITED STATES) Jul 1995, 34 (7) p400, ISSN 0009-9228 Journal Code: 0372606
Document type: Letter
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Jones R E
; Brown Fat--physiology--PH; Infant; Infant, Newborn; Triiodothyronine --physiology--PH
Chemical Name: Triiodothyronine

9/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2003 The Dialog Corp. All rts. reserv.

08534862 95292489 PMID: 7774147
A common factor for cardiac or respiratory failure in SIDS.
Jones R E
Clinical pediatrics (UNITED STATES) Mar 1995, 34 (3) p172, ISSN 0009-9228 Journal Code: 0372606
Document type: Letter
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Jones R E
; Infant; Linoleic Acid; Linoleic Acids--deficiency--DF; Prone Position; Triiodothyronine --blood--BL
Chemical Name: Linoleic Acids; Linoleic Acid; Triiodothyronine

9/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2003 The Dialog Corp. All rts. reserv.

08352672 95112492 PMID: 7813148
A hypothesis for early intervention in SIDS.
Jones R E
Clinical pediatrics (UNITED STATES) Oct 1994, 33 (10) p639-40, ISSN 0009-9228 Journal Code: 0372606
Document type: Letter
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Jones R E
...; Milk, Human--physiology--PH; Propranolol--therapeutic use--TU; Risk Factors; Sudden Infant Death--blood--BL; Triiodothyronine --antagonists and inhibitors--AI; Triiodothyronine --blood--BL
Chemical Name: Linoleic Acids; Linoleic Acid; Propranolol; Triiodothyronine

9/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

07715680 93236768 PMID: 8476537
Feeding supplemental iodine to adult mink; effect on thyroid hormones in adult and offspring.
Jones R E; Aulerich R J; Ringer R K
Texas Instruments, Dallas 75265.
Biomedical and environmental sciences : BES (UNITED STATES) Mar 1993, 6 (1) p81-8, ISSN 0895-3988 Journal Code: 8909524
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Jones R E ; Aulerich R J; Ringer R K
... and their offspring (kits) at 4 wk post-partum were assayed for total thyroxine (T4), triiodothyronine (T3), reverse T3 (rT3), and T4-binding indices. As expected T4 concentrations of the adult...
...Descriptors: Iodine--administration and dosage--AD; *Mink--blood--BL; *Thyroid Gland--metabolism--ME; *Thyroxine--blood--BL; * Triiodothyronine --blood--BL
Chemical Name: Triiodothyronine ; Thyroxine; Iodine

9/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

06794524 91112993 PMID: 1980408
In vivo biliary excretion and in vitro cellular accumulation of thyroxine by rats or cultured rat hepatocytes treated with a novel histamine H1-receptor antagonist.
Poole A; Pritchard D; Jones R B; Catto L; Leonard T
Department of Toxicology, Smith Kline and French Research Ltd., Welwyn, Herts, UK.
Archives of toxicology (GERMANY) 1990, 64 (6) p474-81, ISSN 0340-5761 Journal Code: 0417615
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Poole A; Pritchard D; Jones R B ; Catto L; Leonard T
...; Liver--cytology--CY; Liver--drug effects--DE; Rats; Rats, Inbred Strains; Temperature; Triazoles--pharmacology--PD; Triiodothyronine --metabolism--ME
Chemical Name: Histamine H1 Antagonists; Pyrimidinones; Triazoles; 1-aminobenzotriazole; Triiodothyronine ; Thyroxine; temelastine; Cytochrome P-450

9/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

06353507 90050183 PMID: 2573172
In vitro accumulation of thyroid hormones by cultured rat hepatocytes and the biliary excretion of iodothyronines in rats treated with a novel histamine H2-receptor antagonist.
Poole A; Jones R B; Pritchard D; Catto L; Leonard T
Department of Toxicology, Smith Kline & French Research Ltd., Welwyn, Herts, U.K..
Toxicology (NETHERLANDS) Nov 1989, 59 (1) p23-36, ISSN 0300-483X Journal Code: 0361055
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Poole A; Jones R B ; Pritchard D; Catto L; Leonard T
...Descriptors: H2 Antagonists--toxicity--TO; *Liver--drug effects--DE; *Pyrimidinones--toxicity--TO; *Thyroid Hormones--metabolism--ME; * Triiodothyronine --metabolism--ME
Chemical Name: Histamine H2 Antagonists; Pyrimidinones; Thyroid Hormones; Triazoles; 1-aminobenzotriazole; Phenobarbital; Triiodothyronine ; SK&F 93479; Thyroxine; Cytochrome P-450

9/3,K/7 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
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05325202 87076684 PMID: 3790581
Requirement of gene transcription and protein synthesis for cold- and norepinephrine-induced stimulation of thyroxine deiodinase in rat brown adipose tissue.
Jones R; Henschen L; Mohell N; Nedergaard J
Biochimica et biophysica acta (NETHERLANDS) Dec 19 1986, 889 (3) p366-73, ISSN 0006-3002 Journal Code: 0217513
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Jones R ; Henschen L; Mohell N; Nedergaard J
...; pharmacology--PD; RNA, Messenger--metabolism--ME; Rats; Rats, Inbred Strains; Stimulation, Chemical; Thyroxine--blood--BL; Triiodothyronine --blood--BL
Chemical Name: Proteins; RNA, Messenger; Norepinephrine; Propylthiouracil ; Triiodothyronine ; Thyroxine; Iodide Peroxidase

9/3,K/8 (Item 8 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2003 The Dialog Corp. All rts. reserv.

02997281 79061707 PMID: 718558
Toxicity of Leucaena leucocephala. The effect of iodine and mineral supplements on penned steers fed a sole diet of Leucaena.
Jones R J; Blunt C G; Nurnberg B I
Australian veterinary journal (AUSTRALIA) Aug 1978, 54 (8) p387-92, ISSN 0005-0423 Journal Code: 0370616
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Jones R J ; Blunt C G; Nurnberg B I

...; blood--BL; Plant Poisoning--blood--BL; Plant Poisoning--prevention and control--PC; Thyroxine--blood--BL; Triiodothyronine --blood--BL
Chemical Name: Trace Elements; Triiodothyronine ; Thyroxine; Iodine

9/3,K/9 (Item 9 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

02121537 75192874 PMID: 1142718
Normal values for some biochemical constituents in rabbits.
Jones R T
Laboratory animals (ENGLAND) Apr 1975, 9 (2) p143-7, ISSN 0023-6772 Journal Code: 0112725
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Jones R T
...; Iron--blood--BL; Lead--blood--BL; Magnesium--blood--BL; Potassium --blood--BL; Sodium--blood--BL; Triiodothyronine --blood--BL
Chemical Name: Blood Proteins; Hemoglobins; Cholesterol; Triiodothyronine ; Iron; Lead; Magnesium; Potassium; Sodium; Copper; Calcium

9/3,K/10 (Item 10 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

00877883 70032017 PMID: 4981757
Abnormal post-exercise electrocardiogram due to iatrogenic hyperthyroidism.
Peterson C R; Jones R C
Military medicine (UNITED STATES) Sep 1969, 134 (9) p694-7, ISSN 0026-4075 Journal Code: 2984771R
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Peterson C R; Jones R C
...; chemically induced--CI; Hyperthyroidism--physiopathology--PP; Iatrogenic Disease; Middle Age; Thyroid Hormones--adverse effects--AE; Triiodothyronine --adverse effects--AE
Chemical Name: Thyroid Hormones; Triiodothyronine

9/3,K/11 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

08887858 BIOSIS NO.: 199396039359
Feeding supplemental iodine to adult mink: Effect on thyroid hormones in adult and offspring.
AUTHOR: Jones Ross E; Aulerich Richard J; Ringer Robert K
AUTHOR ADDRESS: Texas Instruments, m/s 81 P.O. Box 655012, Dallas, TX 75265**China
JOURNAL: Biomedical and Environmental Sciences 6 (1):p81-88 1993
1SSN: 0895-3988
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

AUTHOR: Jones Ross E ...

...ABSTRACT: and their offspring (kits) at 4 wk post-partum were assayed for total thyroxine (T4), triiodothyronine (T-3), reverse T-3 (rT-3), and T-4-binding indices. As expected T...
...REGISTRY NUMBERS: TRIIODOTHYRONINE ;
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ... TRIIODOTHYRONINE ;

9/3,K/12 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

08345474 BIOSIS NO.: 000043077597
EFFECTS OF THE SECOND MESSENGER SYSTEM ON THE RESPONSES OF BROILERS FED TRIIODOTHYRONINE T-3 AND GRADED LEVELS OF CRUDE PROTEIN
AUTHOR: ROSEBROUGH R W; JONES R A
AUTHOR ADDRESS: UNITED STATES DEP. AGRIC.-AGRICULTURAL RES. SERV., BELTSVILLE, MD. 20705.
JOURNAL: EIGHTY-FIRST ANNUAL MEETING OF THE POULTRY SCIENCE ASSOCIATION, FAYETTEVILLE, ARKANSAS, USA, AUGUST 3-6, 1992. POULT SCI 71 (SUPPL. 1). 1992. 80. 1992
CODEN: POSCA
DOCUMENT TYPE: Meeting
RECORD TYPE: Citation
LANGUAGE: ENGLISH

EFFECTS OF THE SECOND MESSENGER SYSTEM ON THE RESPONSES OF BROILERS FED TRIIODOTHYRONINE T-3 AND GRADED LEVELS OF CRUDE PROTEIN
AUTHOR: ROSEBROUGH R W; JONES R A

9/3,K/13 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

08193560 BIOSIS NO.: 000043005033
DIETARY PROTEIN AND TRIIODOTHYRONINE T-3 EFFECTS ON THE RESPONSE OF BROILERS TO ISOPROTERENOL AND CYCLIC ADENOSINE MONOPHOSPHATE IN-VITRO
AUTHOR: ROSEBROUGH R W; JONES R A
AUTHOR ADDRESS: U.S. DEP. AGRIC., AGRIC. RES. SERV., BELTSVILLE, MD. 20705.
JOURNAL: MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY (FASEB) PART II, ANAHEIM, CALIFORNIA, USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J 6 (5). 1992. A1672. 1992
CODEN: FAJOE
DOCUMENT TYPE: Meeting
RECORD TYPE: Citation
LANGUAGE: ENGLISH

DIETARY PROTEIN AND TRIIODOTHYRONINE T-3 EFFECTS ON THE RESPONSE OF BROILERS TO ISOPROTERENOL AND CYCLIC ADENOSINE MONOPHOSPHATE IN...
AUTHOR: ROSEBROUGH R W; JONES R A

9/3,K/14 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

07349870 BIOSIS NO.: 000090129772
IN-VIVO BILIARY EXCRETION AND IN-VITRO CELLULAR ACCUMULATION OF THYROXINE BY RATS OR CULTURED RAT HEPATOCYTES TREATED WITH A NOVEL HISTAMINE H-1-RECEPTOR ANTAGONIST

AUTHOR: POOLE A; PRITCHARD D; JONES R B; CATTO L; LEONARD T
AUTHOR ADDRESS: TOXICOL. RES. LAB., HEALTH ENVIRON. SCI., DOW CHEMICAL COMPANY, MIDLAND, MICH. 48674, USA.
JOURNAL: ARCH TOXICOL 64 (6). 1990. 474-481. 1990
FULL JOURNAL NAME: Archives of Toxicology
CODEN: ARTOD
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

AUTHOR: POOLE A; PRITCHARD D; JONES R B ; CATTO L; LEONARD T
DESCRIPTORS: TEMELASTINE AUTONOMIC AGENT THYROID TOXICITY TSH TRIIODOTHYRONINE

9/3,K/15 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

05609753 BIOSIS NO.: 000083082893
REQUIREMENT OF GENE TRANSCRIPTION AND PROTEIN SYNTHESIS FOR COLD AND NOREPINEPHRINE-INDUCED STIMULATION OF THYROXINE DEIODINASE IN RAT BROWN ADIPOSE TISSUE
AUTHOR: JONES R; HENSCHEN L; MOHELL N; NEDERGAARD J
AUTHOR ADDRESS: UNIV. STOCKHOLM, BIOLOGIHUS F3, S-106 91 STOCKHOLM, SWED.
JOURNAL: BIOCHIM BIOPHYS ACTA 889 (3). 1986 (RECD. 1987). 366-373. 1986
FULL JOURNAL NAME: Biochimica et Biophysica Acta
CODEN: BBACA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

AUTHOR: JONES R ; HENSCHEN L; MOHELL N; NEDERGAARD J
DESCRIPTORS: ENZYME ACTIVITY MESSENGER RNA SYNTHESIS TRIIODOTHYRONINE

9/3,K/16 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

04327018 BIOSIS NO.: 000078056561
THE EFFECT OF DIFFERENT PROPORTIONS OF LEUCAENA-LEUCOCEPHALA IN THE DIET OF CATTLE ON GROWTH FEED INTAKE THYROID FUNCTION AND URINARY EXCRETION OF 3 HYDROXY-4 1H PYRIDONE
AUTHOR: JONES R J; HEGARTY M P
AUTHOR ADDRESS: DIV. TROPICAL CROPS PASTURES, CSIRO, DAVIES LAB., PMB, P.O. AITKENVALE, TOWNSVILLE, QLD. 4814, AUST.
JOURNAL: AUST J AGRIC RES 35 (2). 1984. 317-325. 1984
FULL JOURNAL NAME: Australian Journal of Agricultural Research
CODEN: AJAEA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

AUTHOR: JONES R J ; HEGARTY M P

...ABSTRACT: mimosine intake, urinary output of 3-hydroxy-4(1H)-pyridone (DHP), serum thyroxine (T4), serum triiodothyronine (T3) and effective thyroxine ratio (ETR) were measured. Steers on the 67 and 100% Leucaena ...

9/3,K/17 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

04278037 BIOSIS NO.: 000078007579

TOXICITY OF LEUCAENA-LEUCOCEPHALA IN RUMINANTS THE EFFECT OF SUPPLEMENTAL THYROXINE ON GOATS FED ON A SOLE DIET OF LEUCAENA
AUTHOR: MEGARRITY R G; JONES R J
AUTHOR ADDRESS: DIV. TROPICAL CROPS AND PASTURES, CSIRO, DAVIES LAB., PRIVATE MAIL BAG, AITKENVALE, QLD. 4814.
JOURNAL: AUST J AGRIC RES 34 (6). 1983 (RECD. 1984). 791-798. 1983
FULL JOURNAL NAME: Australian Journal of Agricultural Research
CODEN: AJAEA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

AUTHOR: MEGARRITY R G; JONES R J

...ABSTRACT: both groups of animals developed esophageal lesions. Treated animals maintained normal serum thyroxine (T4) and triiodothyronine (T3) levels, and did not exhibit the thyroid hyperplasia of the controls. An increase in...

9/3,K/18 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2003 Inst for Sci Info. All rts. reserv.

04502368 Genuine Article#: TH925 No. References: 142
Title: THE ORGAN TOXICITY OF INHALED ANESTHETICS
Author(s): KENNA JG; JONES RM
Corporate Source: UNIV LONDON IMPERIAL COLL SCI TECHNOL & MED,ST MARYS HOSP,SCH MED,DEPT PHARMACOL & TOXICOL/LONDON WZ 1PG//ENGLAND/; UNIV LONDON IMPERIAL COLL SCI TECHNOL & MED,ST MARYS HOSP,SCH MED,DEPT ANAESTHET/LONDON WZ 1PG//ENGLAND/
Journal: ANESTHESIA AND ANALGESIA, 1995, V81, N6 (DEC), PS51-S66
ISSN: 0003-2999
Language: ENGLISH Document Type: REVIEW

Author(s): KENNA JG; JONES RM
...Identifiers--HALOTHANE-INDUCED HEPATOTOXICITY; INORGANIC FLUORIDE CONCENTRATIONS; TRIIODOTHYRONINE -PRETREATED RATS; ENDOPLASMIC-RETICULUM ANTIBODIES; INDUCED HEPATIC-NECROSIS; FISCHER 344 RATS; ANIMAL-MODEL; HUMAN-LIVER...

9/3,K/19 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2003 Inst for Sci Info. All rts. reserv.

01563512 Genuine Article#: HH271 No. References: 0
Title: DIETARY-PROTEIN AND TRIIODOTHYRONINE (T3) EFFECTS ON THE RESPONSE OF BROILERS TO ISOPROTERENOL AND CYCLIC ADENOSINE-MONOPHOSPHATE INVITRO
Author(s): ROSEBROUGH RW; JONES RA
Corporate Source: USDA ARS,BELTSVILLE AGR RES CTR/BELTSVILLE//MD/20705
Journal: FASEB JOURNAL, 1992, V6, N5 (FEB 28), PA1672
Language: ENGLISH Document Type: MEETING ABSTRACT

Title: DIETARY-PROTEIN AND TRIIODOTHYRONINE (T3) EFFECTS ON THE RESPONSE OF BROILERS TO ISOPROTERENOL AND CYCLIC ADENOSINE-MONOPHOSPHATE INVITRO
Author(s): ROSEBROUGH RW; JONES RA

9/3,K/20 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2003 American Chemical Society. All rts. reserv.

132050258 CA: 132(5)50258e PATENT
Preparation of triiodothyronine derivative of insulin

INVENTOR(AUTHOR): Jones, Richard Henry; Brandenburg, Dietrich; Shojaee-Moradi, Fariba; Kleinjung, Jens
LOCATION: UK,
ASSIGNEE: Kings College London; Deutsches Wollforschungsinstitut
PATENT: PCT International ; WO 9965941 A1 DATE: 19991223
APPLICATION: WO 98GB1722 (19980612)
PAGES: 14 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C07K-014/62A; A61K-038/17B DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; GW; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH ; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

9/3,K/21 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)

101085307 CA: 101(11)85307g JOURNAL
The effect of different proportions of Leucaena leucocephala in the diet of cattle on growth, feed intake, thyroid function and urinary excretion of 3-hydroxy-4(1H)-pyridone
AUTHOR(S): Jones, R. J.; Hegarty, M. P.
LOCATION: Davies Lab., CSIRO, Townsville, 4814, Australia
JOURNAL: Aust. J. Agric. Res. DATE: 1984 VOLUME: 35 NUMBER: 2 PAGES: 317-25 CODEN: AJAEA9 ISSN: 0004-9409 LANGUAGE: English

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>>>KWIC option is not available in file(s): 399
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13/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

02251796 Genuine Article#: KN680 No. References: 74
Title: BROMOCRIPTINE REDIRECTS METABOLISM AND PREVENTS SEASONAL ONSET OF OBESE HYPERINSULINEMIC STATE IN SYRIAN-HAMSTERS
Author(s): CINCOTTA AH; MACEACHERN TA; MEIER AH

Corporate Source: MASSACHUSETTS GEN HOSP,WELLMAN LABS PHOTOMED/BOSTON//MA/02114; LOUISIANA STATE UNIV,DEPT ZOOL & PHYSIOL/BATON ROUGE//LA/70803; HARVARD UNIV,SCH MED,DEPT DERMATOL/BOSTON//MA/02114
Journal: AMERICAN JOURNAL OF PHYSIOLOGY, 1993, V264, N2 (FEB), PE285-E293
ISSN: 0002-9513
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: and fatty acids, and after 10 wk of treatment, tests were carried out to measure insulin -stimulated glucose disposal during a hyperinsulinemic clamp, lipid mobilization (rate of glycerol appearance), protein turnover (lysine flux and deamination), and body composition (deuterium dilution). Bromocriptine reduced percent body fat by 53...

...deamination of amino acid was decreased by 53% by bromocriptine. Bromocriptine reduced plasma concentration of insulin throughout the day, especially at light onset, by 78% without change in baseline glucose level and markedly decreased steady state plasma glucose (by 40%) during a continuous infusion of insulin and glucose. It also reduced the nocturnal plasma concentration of prolactin by 90%, cortisol by 70%, and thyroid hormones (thyroxine and triiodothyronine) by 50% and dramatically altered the circadian profiles of these hormones and insulin . Bromocriptine apparently shifts metabolism from that found in obese, hyperinsulinemic hamsters during winter to conditions...
...Identifiers--GLUCOSE CLAMP TECHNIQUE; TOTAL-BODY WATER; FREE FATTY-ACID; MESOCRICETUS-AURATUS; INSULIN RESISTANCE; PHOTOPERIODIC CONTROL; CIRCADIAN VARIATION; DOPAMINE-RECEPTORS; ENERGY-METABOLISM; PROLACTIN PERMITS
...Research Fronts: LABELED WATER METHOD; BIOELECTRICAL IMPEDANCE; BODY-FAT IN ELDERLY SUBJECTS; SKINFOLD ANTHROPOMETRY)
91-4305 003 (INSULIN RESISTANCE; FREE FATTY-ACID METABOLISM; WHOLE-BODY GLUCOSE DISPOSAL; NONINSULIN-DEPENDENT DIABETES -MELLITUS; HEPATIC CIRRHOSIS)

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         124027  COVALENT
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            695  S11
          96445  COVALENTLY
    S15       0  S11 AND COVALENTLY
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S S10 AND BOUND
            6358  S10
          917908  BOUND
     S16      93  S10 AND BOUND
?
S S16 AND COMPOUND
              93  S16
         3574732  COMPOUND
     S17       6  S16 AND COMPOUND
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T S17/3,K/ALL
>>>KWIC option is not available in file(s): 399
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17/3,K/1 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

07027238 EMBASE No: 1997263006

Serum concentrations of iodine, thyroxine (T4), triiodothyronine (T3), thyrotropin (TSH) and insulin-like growth factor 1 (IGF-1) during the last trimester of pregnancy, during labour, and in early puerperium of women with normal pregnancy or with intrauterine growth retardation (IUGR)

Peiker G.; Glockner R.; Michels V.; Hauck G.; Malsch C.; Borner A.
Prof. G. Peiker, Department of Obstetrics Gynaecology, Klinik Frauenheikunde Geburtshilfe, Postfach 07740, Jena Germany
Journal of Obstetrics and Gynaecology (J. OBSTET. GYNAECOL.) (United Kingdom) 1997, 17/4 (340-343)
CODEN: JOGYD ISSN: 0144-3615
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 23

Serum concentrations of iodine, thyroxine (T4), triiodothyronine (T3), thyrotropin (TSH) and insulin -like growth factor 1 (IGF-1) during the last trimester of pregnancy, during labour, and...

In women with intrauterine growth retardation (IUGR), insulin -like growth factor 1 (IGF-1) concentrations tended to reduce during the last trimester of...

...in maternal serum were not distinctly influenced by IUGR, except for high concentrations of iodine. Triiodothyronine (T3) concentrations in cord blood of normal pregnancies was significantly lower than maternal concentrations, but...

DRUG DESCRIPTORS:
*iodine--endogenous compound --ec; *liothyronine--endogenous compound --ec; *somatomedin c--endogenous compound --ec; *thyrotropin--endogenous compound --ec; *thyroxine--endogenous compound --ec
MEDICAL DESCRIPTORS:
*intrauterine growth retardation--etiology--et; *labor; *liothyronine blood level; *protein bound iodine; *puerperium; *third trimester pregnancy; *thyrotropin blood level; *thyroxine blood level

17/3,K/2 (Item 2 from file: 73)

DIALOG(R)File 73:EMBASE

04728116 EMBASE No: 1991221470

Triiodothyronine (Tinf 3)-associated upregulation and downregulation of nuclear Tinf 3 binding in the human fibroblast cell (MRC-5) - Stimulation

of malic enzyme, glucose-6-phosphate-dehydrogenase, and 6-phosphogluconate-dehydrogenase by insulin, but not by Tinf 3

Matzen L.E.; Kristensen S.R.; Kvetny J.
Clinical Chemistry Department, Odense University Hospital,DK-5000 Odense C Denmark
Metabolism: Clinical and Experimental (METAB. CLIN. EXP.) (United States) 1991, 40/7 (657-663)
CODEN: METAA ISSN: 0026-0495
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Triiodothyronine (Tinf 3)-associated upregulation and downregulation of nuclear Tinf 3 binding in the human fibroblast...

...MRC-5) - Stimulation of malic enzyme, glucose-6-phosphate-dehydrogenase, and 6-phosphogluconate-dehydrogenase by insulin , but not by Tinf 3

The specific nuclear binding of triiodothyronine (Tinf 3) (NBTinf 3) and the activity of malic enzyme (ME), glucose-6-phosphate-dehydrogenase...

...ME, G6PD, and 6PGD activities. Enzyme activities were stimulated by incubation with 10 mumol/L insulin for 96 hours at 37degreeC; ME increased to 115.3% +/- 4.8% (n = 7, P...

...with 10 nmol/L Tinf 3 had no effect, and synergism between Tinf 3 and insulin was not observed. We conclude that Tinf 3 was bound to a Tinf 3-depletable high-affinity and to a Tinf 3-nondepletable low-affinity...
DRUG DESCRIPTORS:
*glucose 6 phosphate dehydrogenase--endogenous compound --ec; * insulin ; *liothyronine; *malate dehydrogenase (decarboxylating)--endogenous compound --ec; *phosphogluconate dehydrogenase--endogenous compound --ec
...CAS REGISTRY NO.: 9001-40-5 (glucose 6 phosphate dehydrogenase); 9004-10-8 (insulin); 6138-47-2...

17/3,K/3 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE

04713286 EMBASE No: 1991206640
Triiodothyronine stimulates and cyclic AMP inhibits transcription of the gene for malic enzyme in chick embryo hepatocytes in culture

Salati L.M.; Ma X.-J.; McCormick C.C.; Stapleton S.R.; Goodridge A.G.
Department of Biochemistry, University of Iowa,Iowa City, IA 52242 United States
Journal of Biological Chemistry (J. BIOL. CHEM.) (United States) 1991, 266/6 (4010-4016)
CODEN: JBCHA ISSN: 0021-9258
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Triiodothyronine stimulates and cyclic AMP inhibits transcription of the gene for malic enzyme in chick embryo...

In chick embryo hepatocytes in culture, insulin and triiodothyronine (T3) increase malic enzyme activity and the abundance of malic enzyme mRNA by at least...

...maximal increase of 30-40-fold occurring by 24 h. When T3 was added with insulin , 80% of the maximum rate was reached in 1 h. Insulin alone had no effect on transcription of the malic enzyme gene; it amplified the response...

...enzyme gene in chick embryo hepatocytes was the same as that in fed

chick liver. Insulin , T3, and cAMP had no effect on that pattern. In chick embryo hepatocytes in culture, factors involved in regulation of transcription by insulin , T3, and cAMP may be bound to DNA independently of hormonal treatment.
DRUG DESCRIPTORS:
*cyclic amp; * insulin ; *liothyronine; *malate dehydrogenase (decarboxylating)--endogenous compound --ec
CAS REGISTRY NO.: 60-92-4 (cyclic amp); 9004-10-8 (insulin); 6138-47-2...

17/3,K/4 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

03811102 H.W. WILSON RECORD NUMBER: BGSI98061102 (USE FORMAT 7 FOR FULLTEXT)
Risk assessment of thyroid follicular cell tumors.
Hill, Richard N
Crisp, Thomas M; Hurley, Pamela M
Environmental Health Perspectives (Environ Health Perspect) v. 106 no8 (Aug. '98) p. 447-57
SPECIAL FEATURES: bibl il ISSN: 0091-6765
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 12657

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... the thyroid, can be converted from a less active thyroxine (T4) to a more active triiodothyronine (T3) form. Thyroid hormone is also metabolized by the liver, largely by conjugation reactions, and...the thyroid seems to be affected by an interplay among several mitogenic factors, namely TSH, insulin -like growth factor 1 (IGF-1), insulin , epidermal growth factor (EGF), and possibly fibroblast growth factor (FGF). Still other factors such as...

...phorbol ester tumor promoters, which increase protein kinase C, also stimulate thyroid cell division.

EGF, insulin , and IGF-1 act through tyrosine kinase receptors. TSH increases EGF binding to its receptor and enhances cell division. IGF-1 and high doses of insulin may influence the TSH receptor. Iodide decreases thyroid cell adenylate cyclase and calcium levels, and...lesser degree); this protein is missing in rodents and lower vertebrates. As a result, T4 bound to proteins with lower affinity in the rodent is more susceptible to removal from the...using the point estimate at the 10[percent] effect level in lieu of the lower bound estimate in the proposal. Other means of determining departure points are also proposed (2). Final...X F
Cancer sensitivity F = 2.5 X M M > F

Abbreviations: T4, thyroxine; T3, triiodothyronine ; TSH, thyroid stimulating hormone; M, male; F, female.

Table 2. Default dose-response procedures for...

...1. Hypothalamic-pituitary-thyroid axis. Abbreviations: TRH, thyrotropin-releasing hormone; TSH, thyroid stimulating hormone; T3, triiodothyronine ; T4, thyroxine.

Figure 2. Possible molecular events in human thyroid (follicular) carcinogenesis. Abbreviations: TSH, thyroid-stimulating hormone; IGF-1, insulin -like growth factor 1; EGF, epidermal growth factor; FGF, fibroblast growth factor; gsp, GTP-binding...34. Todd GC. Induction and reversibility of thyroid proliferative changes in rats given an antithyroid compound . Vet Pathol 23:110-117 (1986).

35. McClain RM, Posch RC, Bosakowski T, Armstrong JM...

17/3,K/5 (Item 2 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

03811095 H.W. WILSON RECORD NUMBER: BGSI98061095 (USE FORMAT 7 FOR FULLTEXT)
Recent developments in the investigation of thyroid regulation and thyroid carcinogenesis.
Hard, Gordon C
Environmental Health Perspectives (Environ Health Perspect) v. 106 no8 (Aug. '98) p. 427-436
SPECIAL FEATURES: bibl ISSN: 0091-6765
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 13461

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... thyroid and controlling thyroid hormone secretion. Other growth regulators involved in the complex web include insulin /insulinlike growth factor-I (IGF-I), epidermal growth factor (EGF), basic fibroblast growth factor (bFGF...that both TSH receptor gene expression and thyroglobulin gene expression are under the control of insulin /IGF-1 at a transcriptional level as well as TSH (29-31). Similar evidence for a complex autoregulatory feedback mechanism involving insulin /IGF-1 operative at several levels of interactive signaling is accumulating for other primary thyroid...

...of thyroid growth by TSH and IGF-1 (34). Thus, in rats, dogs, and humans, insulin /IGF-1 is considered a necessary cofactor for the action of TSH on follicle cells...

...been proposed as this putative regulator(s), including the iodinated eicosanoid, -iodolactone (56). However, this compound had no effect on TSH-mediated cAMP formation in porcine follicles (57). Considered to be... lower than for thyroxine-binding globulin (63). Likewise, T3 is transported in humans in a bound state to thyroxine-binding gloubulin and albumin, but only by albumin in rodents (63). A...potent consequence for thyroid hormone levels, compared to the effects of a centrally acting thiourylene compound like PTU, accords with its role as a promoter rather than an inducer of rodent...1992).
29. Santisteban P, Kohn LD, Di Lauro R. Thyroglobulin gene expression is regulated by insulin and IGF-I as well as thyrotropin in FRTL-5 thyroid cells. J Biol Chem...

...4048-4052 (1987).
30. Takahashi S-I, Conti M, Van Wyk JJ. Thyrotropin potentiation of insulin like growth factor-I dependent deoxyribonucleic acid synthesis in FRTL-5 cells: mediation by autocrine...

...Endocrinol 3:2110-2118 (1989).
33. Eggo MC, Bachrach LK, Burrow GN. Interaction of TSH- insulin , and insulin -like growth factors in regulating thyroid growth and function. Growth Factors 2:99-109 (1990...

...Coulonval, K, Pirson I, Lamy F, Dumont JE, Roger PP. Thyrotropin via cyclic AMP induces insulin receptor expression and insulin co-stimulation of growth and amplifies insulin and insulin -like growth factor signaling pathways in dog thyroid epithelial cells. J Biol Chem 271:29400...

...36. Minuto F, Barreca A, del Monte P, Cariola G, Torre GC, Giordano G. Immunoreactive insulin -like growth factor I (IGF-I) and IGF-I-binding

protein content in human thyroid...Regulation of rat thyroxine-binding globulin and transthyretin: studies in thyroidectomized and hypophysectomized rats given triiodothyronine or/and growth hormone. J Endocrinol 142:77-84 (1994).
63. Capen CC. Pathophysiology of...
...of inhibition of type I iodothyronine deiodinase and phenol sulfotransferase on the biliary clearance of triiodothyronine in rats. Endocrinology 122:153-157 (1988).
68. Eelkman Rooda SJ, Otten MH, van Loon MAC, Kaptein E, Visser TJ. Metabolism of triiodothyronine in rat hepatocytes. Endocrinology 125:2187-2197 (1989).
69. Visser TJ, van Buuren JCJ, Rutgers...

...M, Heusdens FA, Bonthuis, F. de Herder WW, Hazenberg MP, Visser TJ. Enterohepatic circulation of triiodothyronine (T3) in rats: importance of the microflora for the liberation and reabsorption of T3 from...

...on the biliary clearance of thyroxine (T4) in rats; decreased excretion of 3,5,3'- triiodothyronine glucuronide and increased excretion of 3,3,5'-triiodothyronine glucuronide and T4 sulfate. Endocrinology 125:2175-2186 (1989).
74. LoPresti JS, Nicoloff JT. 3,5,3'- triiodothyronine (T3) sulfate: a major metabolite in T3 metabolism in man. J Clin Endocrinol Metab 78...

...hormone gene expression in the hypothalamic paraventricular nucleus is dependent upon feedback regulation by both triiodothyronine and thyroxine. Endocrinology 130:2845-2850 (1992).
78. Rondeel JMM, de Greef WJ, Klootwijk W...

17/3,K/6 (Item 3 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

03524520 H.W. WILSON RECORD NUMBER: BGSA97024520 (USE FORMAT 7 FOR FULLTEXT)
Proximate mechanisms of phenotypic plasticity in amphibian metamorphosis.
Denver, Robert John
American Zoologist (Am Zool) v. 37 no2 (1997) p. 172-84
SPECIAL FEATURES: bibl il ISSN: 0003-1569
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 8382

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... volume and/or the proximity to the water surface and not the concentration of some compound in the larval habitat, I placed screens (1/4 polypropylene) in the bottom of aquaria...tissues by monodeiodinase enzymes. A 5'-monodeiodinase (5'D) converts T4 to 3,5,3' triiodothyronine (T3), which has as much as 10 times the biological activity of T4 (Galton, 1992...

...for binding of T4 to plasma proteins in tadpoles (Tanabe et al., 1969) and protein- bound iodine increased during metamorphosis in R. pipiens (Just, 1972). In mammals, most of the T4 in the blood is transported bound to high affinity binding proteins (Larrson et al., 1985; Robbins and Edelhoch, 1986). In general...

...with the T4-binding proteins; T3 is thought to be transported in the blood primarily bound to serum albumin with low affinity (Robbins and Bartelena, 1986). However, amphibian tadpoles (R. catesbeiana...hormone; TRH--thyrotropin-releasing hormone; SRIF--somatostatin; DA--dopamine; GH--growth hormone; PRL--prolactin; IGF-- insulin -like growth factor;

Syn--synlactin.

FOOTNOTE
1 From the Symposium Amphibian Metamorphosis: An Integrative Approach...in stress-induced metamorphosis. Neth. J. Zool. 45:107-109.
Just, J. J. 1972. Protein- bound iodine and protein concentration in plasma and pericardial fluid of metamorphosing anuran tadpoles. Physiol. Zool...

...prealbumin analogs. Gen. Comp. Endocrinol. 58:360-375.
Leloup, J. and M. Buscaglia. 1977. La triiodothyronine : Hormone de la metamorphose des amphibiens. CR Acad. Sci. 284:2261-2263.
Licht, L. E...H. Hayashi, and R. Horiuchi. 1993. Purification and characterization of a 3,5,3'-L- triiodothyronine -specific binding protein from bullfrog tadpole plasma--A homolog of mammalian transthyretin. Endocrinology 132:2254...

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             695  S11
         3574732  COMPOUND
     S18      38  S11 AND COMPOUND
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S S18 AND TREATMENT
              38  S18
         8597809  TREATMENT
     S19      18  S18 AND TREATMENT
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T S19/3,K/ALL
>>>KWIC option is not available in file(s): 399
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19/3,K/1 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

11486227 EMBASE No: 2002058033
Streptozotocin diabetes protects against arrhythmias in rat isolated hearts: Role of hypothyroidism
Zhang L.; Parratt J.R.; Beastall G.H.; Pyne N.J.; Furman B.L.
B.L. Furman, Department of Physiology, Strathclyde Inst. of Biomed. Sci., University of Strathclyde, 27 Taylor Street, Glasgow G4 ONR United Kingdom
AUTHOR EMAIL: b.l.furman@strath.ac.uk
European Journal of Pharmacology (EUR. J. PHARMACOL.) (Netherlands)
25 JAN 2002, 435/2-3 (269-276)
CODEN: EJPHA ISSN: 0014-2999
PUBLISHER ITEM IDENTIFIER: S001429990101398X
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 43

Streptozotocin diabetes protects against arrhythmias in rat isolated hearts: Role of hypothyroidism

We examined the contribution of hypothyroidism to streptozotocin diabetes -induced alterations in the arrhythmia susceptibility of ex vivo hearts to regional zero-flow ischaemia. Diabetic rats received either protamine zinc insulin (10 IU/kg/day, s.c.) or triiodothyronine (10 mug/kg/day, s.c.) for 8 weeks commencing 72 h after injection of...

...the 8-week diabetic group (P < 0.001). These changes were prevented by administration of triiodothyronine or insulin . Ventricular fibrillation during reperfusion was abolished in hearts from diabetic rats. This protection was prevented by treatment with either triiodothyronine or insulin . Hearts from methimazole-hypothyroid rats also showed no ventricular fibrillation during reperfusion. The protection against

ischaemia-reperfusion-arrhythmias observed in hearts from streptozotocin-diabetic rats may be due to diabetes -induced hypothyroidism. (c) 2002 Elsevier Science B.V. All rights reserved.
DRUG DESCRIPTORS:
thiamazole; streptozocin; insulin zinc suspension--drug therapy--dt; insulin zinc suspension--subcutaneous drug administration--sc; liothyronine--drug therapy--dt; liothyronine--subcutaneous drug administration--sc; protein kinase C--endogenous compound --ec
MEDICAL DESCRIPTORS:
*hypothyroidism--drug therapy--dt; * diabetes mellitus--drug therapy--dt; *heart arrhythmia; *heart protection
CAS REGISTRY NO.: 60-56-0 (thiamazole); 18883-66-4 (streptozocin); 8049-62-5 (insulin zinc suspension); 6138-47-2...

19/3,K/2 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE
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10835921 EMBASE No: 2000317650
Influence of metabolic state and diabetes on the outcome at the end of first year after gastric bending
Nedelnikova K.; Svacina S.; Haas T.; Matoulek M.; Fried M.
Dr. K. Nedelnikova, 3rd Internal Department, 1st Medical Faculty, Charles University, U nemocnice 1, 128 02 Prague 2 Czech Republic
AUTHOR EMAIL: knedelnikova@yahoo.com
Obesity Surgery (OBES. SURG.) (United States) 2000, 10/4 (372-375)
CODEN: OBSUE ISSN: 0960-8923
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 6

Influence of metabolic state and diabetes on the outcome at the end of first year after gastric bending

Background: The influence of metabolic state and the presence of diabetes before surgery on the weight changes following non-adjustable gastric banding, were studied. Methods: The...

...parameters measured: insulinemia, glycemia, total cholesterol, triglycerides (TAG), dehydroepiandrostendione (DHEA) and its sulphate (DHEA-S), triiodothyronine , thyroxine, and thyroxine-stimulating hormone. We evaluated 28 of these, who completed at least 6 months of follow-up. 12 of these patients had diet-treated non- insulin dependent diabetes mellitus (NIDDM) and 16 were non-diabetics, and 9 of them had a positive family...

...Weight loss was greatest in the group of patients without a positive family history of diabetes , and lowest in the diabetic group. Due to the high dispersion, differences in the t...

...by multiple linear regression, weight loss was greatest in patients with high TAG and low insulin levels and lowest in patients with diabetes or positive FH DM. Conclusions: Although post-operative weight can be influenced by other factors, eg. psychological ones, it is advisable to test each patient pre-operatively for insulin and TAG levels, and to establish family history of diabetes and presence of diabetes to give an idea of the prognosis of weight change.
DRUG DESCRIPTORS:
insulin --endogenous compound --ec; glucose--endogenous compound --ec; cholesterol--endogenous compound --ec; triacylglycerol--endogenous compound --ec; prasterone sulfate--endogenous compound --ec; prasterone --endogenous compound --ec; liothyronine--endogenous compound --ec; thyroxine--endogenous compound --ec
MEDICAL DESCRIPTORS:

*non insulin dependent diabetes mellitus; *gastric banding; *morbid obesity--surgery--su; *bariatric surgery
treatment outcome; weight reduction; disease association; insulin blood level; cholesterol blood level; glucose blood level; triacylglycerol blood level; hormone blood level; familial...
CAS REGISTRY NO.: 9004-10-8 (insulin); 50-99-7...

19/3,K/3 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE

07561446 EMBASE No: 1999044726
Daily melatonin administration at middle age suppresses male rat visceral fat, plasma leptin, and plasma insulin to youthful levels
Rasmussen D.D.; Boldt B.M.; Wilkinson C.W.; Yellon S.M.; Matsumoto A.M.
D.D. Rasmussen, VA Puget Sound Health Care System, Department of Medicine, University of Washington, Seattle, WA 98195 United States
Endocrinology (ENDOCRINOLOGY) (United States) 1999, 140/2 (1009-1012)
CODEN: ENDOA ISSN: 0013-7227
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 14

Daily melatonin administration at middle age suppresses male rat visceral fat, plasma leptin, and plasma insulin to youthful levels

Human and rat pineal melatonin secretion decline with aging, whereas visceral fat and plasma insulin levels increase. Melatonin modulates fat metabolism in some mammalian species, so these aging-associated melatonin, fat and insulin changes could be functionally related. Accordingly, we investigated the effects of daily melatonin supplementation to...
...middle-aged controls. Relative (% of body wt) retroperitoneal and epididymal fat, as well as plasma insulin and leptin levels, were all significantly increased at middle age when compared to young rats...

...10 weeks to youthful (4 month) levels in response to both dosages of melatonin. Continued treatment until old age maintained suppression of visceral (retroperitoneal + epididymal) fat levels. Plasma corticosterone and total thyroxine (T4) levels were not significantly altered by aging or melatonin treatment . Plasma testosterone, insulin -like growth factor 1 (IGF-1) and total triiodothyronine (T3) decreased by middle age; these aging-associated decreases were not significantly altered by melatonin treatment . Thus, visceral fat, insulin and leptin responses to melatonin administration may be independent of marked changes in gonadal, thyroid, adrenal or somatotropin regulation. Since increased visceral fat is associated with increased insulin resistance, diabetes , and cardiovascular disease, these results suggest that appropriate melatonin supplementation may potentially provide prophylaxis or...
DRUG DESCRIPTORS:
leptin--endogenous compound --ec; insulin --endogenous compound --ec; corticosterone--endogenous compound --ec; thyroxine--endogenous compound --ec; testosterone--endogenous compound --ec; somatomedin c--endogenous compound --ec; liothyronine--endogenous compound --ec
MEDICAL DESCRIPTORS:
aging; body fat; insulin blood level; thyroid hormone blood level; steroid blood level; hormone synthesis; nonhuman; male; rat; animal...
CAS REGISTRY NO.: 73-31-4 (melatonin); 9004-10-8 (insulin); 50-22-6 (corticosterone); 7488-70-2 (thyroxine); 58-22-0 (testosterone); 67763-96-6...

19/3,K/4 (Item 4 from file: 73)
DIALOG(R)File 73:EMBASE

06810482 EMBASE No: 1997092971

Maternal diabetes mellitus, a rat model for nonthyroidal illness: Correction of hypothyroxinemia with thyroxine treatment does not improve fetal thyroid hormone status

Calvo R.; De Escobar G.M.; Del Rey F.E.; Obregon M.J.
Dr. M.J. Obregon, Inst. de Investigaciones Biomedicas, Arturo Duperier 4, 28029-Madrid Spain

Thyroid (THYROID) (United States) 1997, 7/1 (79-87)
CODEN: THYRE ISSN: 1050-7256
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 43

Maternal diabetes mellitus, a rat model for nonthyroidal illness: Correction of hypothyroxinemia with thyroxine treatment does not improve fetal thyroid hormone status

Maintenance of normal maternal thyroxinemia prevents severe triiodothyronine (Tinf 3) deficiency of the fetus with primary thyroid failure (1). We have studied whether...
...brain when maternal hypothyroxinemia is caused by nonthyroidal illnesses. We have used the streptozotocin-induced diabetes mellitus pregnant rat as a model of maternal nonthyroidal illness. We measured the effects of diabetes mellitus, and of correction of the ensuing maternal hypothyroxinemia with Tinf 4 as compared to insulin , on maternal body weight, the outcome of pregnancy, glucose, insulin , Tinf 4, Tinf 3, reverse Tinf 3, and thyrotropin levels in the maternal and fetal...

...lower than normal and the expected increase in 5'-deiodinase activity was not observed. Although insulin treatment avoided or mitigated these changes, the low cerebral Tinf 3 did not improve with Tinf 4 treatment of the maternal hypothyroxinemia. Several findings indicated that treatment of the severely ill dams with Tinf 4 was actually harmful for the outcome of...

DRUG DESCRIPTORS:
* insulin --drug therapy--dt; *thyroid hormone--endogenous compound --ec; *thyroxine--endogenous compound --ec; *thyroxine deiodinase--endogenous compound --ec
3,3',5' triiodothyronine --endogenous compound --ec; glucose--endogenous compound --ec; liothyronine--endogenous compound --ec; streptozocin; thyrotropin--endogenous compound --ec
MEDICAL DESCRIPTORS:
*maternal diabetes mellitus--drug therapy--dt; *thyroxine blood level ...female; fetus; free liothyronine index; free thyroxine index; nonhuman; pregnancy complication; priority journal; rat; streptozocin diabetes --drug therapy--dt; tissue distribution
CAS REGISTRY NO.: 9004-10-8 (insulin); 7488-70-2 (thyroxine); 70712-46-8 (thyroxine deiodinase); 5817-39-0...

...70-39-3 (3,3',5' triiodothyronine); 50-99-7...

19/3,K/5 (Item 5 from file: 73)
DIALOG(R)File 73:EMBASE

06787705 EMBASE No: 1997069207

Increased responses to adenosine in isolated left atria from streptozotocin-diabetic rats: Evidence for the involvement of hypothyroidism

Gur S.; Ari N.; Ozturk Y.
Dr. S. Gur, Farmakoloji Anabilim Dali, Eczacilik Fakultesi, Ankara

Universitesi, 06100 Tandogan, Ankara Turkey
Journal of Cardiovascular Pharmacology (J. CARDIOVASC. PHARMACOL.) (United States) 1997, 29/2 (174-179)
CODEN: JCPCD ISSN: 0160-2446
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 46

...induced diabetic rats were examined by comparing with those from propylthiouracil-induced hypothyroid rats. Experimental diabetes was induced by a single i.v. injection of streptozotocin (45 mg/kg). Subsets of diabetic rats were treated daily with either insulin (6-8 units/kg) or triiodothyronine (Tinf 3; 8-10 mug/kg). After 10 weeks, negative inotropic and antiadrenergic effects of adenosine were assessed in the atria from nondiabetic, diabetic, insulin - or Tinf 3-treated diabetic and hypothyroid rats. Diabetic rats exhibited a significant increase in...

...also were noticed in the hypothyroid rats. In our study, the influence of Tinf 3 treatment on the hyperreactivity of diabetic rat atria to adenosine also was examined by comparing with that of insulin treatment . Both insulin and Tinf 3 treatments restored the hyperreactivity to adenosine, with the exception of adenosine receptor...

...the inotropic and antiadrenergic effects of adenosine on the left atria from rats with experimental diabetes for 10 weeks.
DRUG DESCRIPTORS:
*adenosine--drug dose--do; *adenosine--pharmacology--pd; * insulin ; * liothyronine; *propylthiouracil; *streptozocin
adenosine receptor--endogenous compound --ec; isoprenaline; thyroid hormone--endogenous compound --ec
MEDICAL DESCRIPTORS:
*hypothyroidism; *streptozocin diabetes
CAS REGISTRY NO.: 58-61-7 (adenosine); 9004-10-8 (insulin); 6138-47-2...

19/3,K/6 (Item 6 from file: 73)
DIALOG(R)File 73:EMBASE

06781406 EMBASE No: 1997062903
Maternal nonthyroidal illness and fetal thyroid hormone status, as studied in the streptozotocin-induced diabetes mellitus rat model
Calvo R.; De Escobar G.M.; Del Rey F.E.; Obregon M.-J.
Dr. M.-J. Obregon, Instituto Investigaciones Biomedicas, Arturo Duperier 4, 28029 Madrid Spain
AUTHOR EMAIL: mjobregon@biomed.iib.uam.es
Endocrinology (ENDOCRINOLOGY) (United States) 1997, 138/3 (1159-1169)
CODEN: ENDOA ISSN: 0013-7227
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 50

Maternal nonthyroidal illness and fetal thyroid hormone status, as studied in the streptozotocin-induced diabetes mellitus rat model

We have used the streptozotocin-induced diabetes mellitus pregnant rat as a model of maternal nonthyroidal illness. We measured the effects of different degrees of diabetes mellitus on maternal body weight, the outcome of pregnancy, circulating glucose, insulin , Tinf 4, Tinf 3, rTinf 3, and TSH in mother and fetus, Tinf 4 and...
...were related to the degree of the metabolic imbalances. Most were controlled with a daily insulin dose of 0.5 U/100 g BW. Normalization of maternal placental Tinf 4, however, required higher insulin doses than in other maternal tissues. The number and body weight of the fetuses, their...

...5'deiodinase activity was not observed. The low cerebral Tinf 3 only improved with adequate insulin treatment of the dams. It is concluded that maternal diabetes mellitus, and possibly other nonthyroidal illnesses that impair the availability of intracellular energy stores, may
...
DRUG DESCRIPTORS:
*bovine insulin --drug therapy--dt; *glucose--endogenous compound --ec; * insulin zinc suspension--drug therapy--dt; *streptozocin; *thyroid hormone --endogenous compound --ec; *thyroxine deiodinase--endogenous compound --ec
3,3',5' triiodothyronine --endogenous compound --ec; growth hormone --endogenous compound --ec; insulin --endogenous compound --ec; liothyronine--endogenous compound --ec; thyrotropin--endogenous compound --ec; thyroxine--endogenous compound --ec; unclassified drug
MEDICAL DESCRIPTORS:
*streptozocin diabetes --drug therapy--dt
CAS REGISTRY NO.: 11070-73-8 (bovine insulin); 50-99-7...

...84778-64-3 (glucose); 8049-62-5 (insulin zinc suspension); 18883-66-4 (streptozocin); 70712-46-8 (thyroxine deiodinase); 5817-39-0...

...70-39-3 (3,3',5' triiodothyronine); 36992-73-1...

...9002-72-6 (growth hormone); 9004-10-8 (insulin); 6138-47-2...

19/3,K/7 (Item 7 from file: 73)
DIALOG(R)File 73:EMBASE

06378388 EMBASE No: 1996027229
Increased number of myocardial voltage-gated Casup 2sup + channels and unchanged total beta-receptor number in long-term streptozotocin-diabetic rats
Bjorn-Hansen Gotzsche L.; Rosenqvist N.; Gronbaek H.; Flyvbjerg A.; Gotzsche O.
Department of Internal Medicine M, Diabetes and Endocrinology, Aarhus Kommunehospital,DK-8000 Aarhus C Denmark
European Journal of Endocrinology (EUR. J. ENDOCRINOL.) (Norway) 1996 , 134/1 (107-113)
CODEN: EJOEE ISSN: 0804-4643
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

In order to elucidate further the abnormal myocardial Casup 2sup + metabolism in diabetes mellitus, voltage-gated Casup 2sup + channels and beta-receptors were quantified in myocardial membranes of short- and long-term diabetic rats. Diabetes was induced by an injection of streptozotocin (STZ). Animals were killed 2, 4, 7, 90 and 200 days after STZ. A group of diabetic animals were treated with insulin for 20 days following 180 days of untreated diabetes . Diabetic animals developed low triiodothyronine syndrome. During short-term diabetes , the maximum binding capacity (MBC) for Casup 2sup + channels was reduced by 25% at day
...

...p < 0.05). A normalizing tendency was observed at day 7 for both receptor types; insulin -treated rats did not differ from controls at that time. After 90 and 200 days of untreated diabetes the Casup 2sup + channel MBC had increased by 36% and 27%, respectively (p < 0.05). Twenty days of strictly regulated blood glucose following 180 days of untreated diabetes totally normalized the Casup 2sup + channel MBC. This is in contrast to a previous report where insulin treatment did not normalize the Casup 2sup + channel MBC. Total beta-receptor MBCs did not differ...

...STZ. In conclusion, an increase in rat myocardial Casup 2sup + channel

MBC during long-term diabetes was fully normalized by short-term insulin treatment . The increase in sarcolemmal Casup 2sup + channels could serve to compensate for a defect coupling...
BRAND NAME/MANUFACTURER NAME: ultralente insulin /novo nordisk/Denmark
DRUG DESCRIPTORS:
*beta adrenergic receptor--endogenous compound --ec
adenylate cyclase--endogenous compound --ec; insulin --drug therapy--dt; insulin zinc suspension; streptozocin--drug toxicity--to
MEDICAL DESCRIPTORS:
*calcium channel; *heart muscle; * insulin dependent diabetes mellitus --drug therapy--dt
CAS REGISTRY NO.: 9012-42-4 (adenylate cyclase); 9004-10-8 (insulin); 8049-62-5 (insulin zinc suspension); 18883-66-4 (streptozocin)

19/3,K/8 (Item 8 from file: 73)
DIALOG(R)File 73:EMBASE

06282022 EMBASE No: 1995304759
Effects of treatment with octreotide in acromegalic patients - A multicenter Italian study
Arosio M.; Macchelli S.; Rossi C.M.; Casati G.; Biella O.; Faglia G.
Institute Endocrine Sciences, Ospedale Maggiore IRCCS, Pad. Granelli, Via F Sforza 35,20122 Milano Italy
European Journal of Endocrinology (EUR. J. ENDOCRINOL.) (Norway) 1995 , 133/4 (430-439)
CODEN: EJOEE ISSN: 0804-4643
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Effects of treatment with octreotide in acromegalic patients - A multicenter Italian study

Treatment of acromegaly is effective in reversing the reduced life-span of patients only when serum...

...64 acromegalic patients (25%). Fifteen of them had pretreatment GH levels below 25 mug/l. Insulin -like growth factor I (IGF-I) levels normalized in about 40% of patients. No further GH reduction was observed after 1 year of treatment , The presence of abnormal GH responses to thyrotropin-releasing hormone (TRH) and gonadotropin-releasing hormone...

...Tumor shrinkage was observed in 50% of 26 non-irradiated patients after 12 months of treatment . Both basal and TRH-stimulated serum prolactin levels significantly decreased in the 11 hyperprolactinemic patients. Although serum thyrotropin, free triiodothyronine and free thyroxine concentrations were not modified, a significant reduction of thyrotropin response to TRH...

...modifications of fasting morning concentrations was found. About one-quarter of the patients with overt diabetes mellitus had an impairment of their metabolic control. Main clinical symptoms of acromegaly improved in...

...dropped out due to worsening of their metabolic control. In conclusion, octreotide is an effective treatment of acromegaly, mainly in patients with moderate elevation of serum GH levels, The drug has...
DRUG DESCRIPTORS:
*growth hormone--endogenous compound --ec; *octreotide--drug therapy--dt; *octreotide--clinical trial--ct; *octreotide--adverse drug reaction--ae; * somatomedin c--endogenous compound --ec
bromocriptine--drug therapy--dt; gonadorelin; liothyronine--endogenous compound --ec; low density lipoprotein cholesterol--endogenous compound --ec; prolactin--endogenous compound --ec; protirelin; thyrotropin

--endogenous compound --ec; thyroxine--endogenous compound --ec; triacylglycerol--endogenous compound --ec

19/3,K/9 (Item 9 from file: 73)
DIALOG(R)File 73:EMBASE

06057903 EMBASE No: 1995088318
Regulation of myocardial lipoprotein lipase activity by diabetes and thyroid hormones
Liu L.; Severson D.L.
Medical Research Council, Canada Signal Transduction Group, Faculty of Medicine, 3330 Hospital Drive NW,Calgary, Alta. T2N 4N1 Canada
Canadian Journal of Physiology and Pharmacology (CAN. J. PHYSIOL. PHARMACOL.) (Canada) 1994, 72/11 (1259-1264)
CODEN: CJPPA ISSN: 0008-4212
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH; FRENCH

Regulation of myocardial lipoprotein lipase activity by diabetes and thyroid hormones

...lipoprotein lipase activity in isolated cardiomyocytes, and produced a hypothyroid state (decreased plasma levels of triiodothyronine and thyroxine). Administration of replacement doses of triiodothyronine (3 or 10 mug/kg for 3 days) to diabetic rats normalized heparin-releasable lipoprotein...
...lipoprotein lipase activity in cardiomyocytes from diabetic hearts was unchanged by in vivo thyroid hormone treatment . However, hypothyroidism in thyroidectomized rats did not alter lipoprotein lipase activity in either perfused hearts...

...isolated cardiomyocytes. Therefore, thyroid hormones may interact with some other factor(s) in this acute, insulin -deficient model of diabetes to selectively regulate functional, heparin-releasable lipoprotein lipase activity in perfused hearts.
DRUG DESCRIPTORS:
*heparin; *liothyronine--pharmacology--pd; *lipoprotein lipase--endogenous compound --ec; *low molecular weight heparin; *streptozocin--pharmacology --pd; *thyroxine--endogenous compound --ec
MEDICAL DESCRIPTORS:
* diabetes mellitus; *heart muscle; *hypothyroidism

19/3,K/10 (Item 10 from file: 73)
DIALOG(R)File 73:EMBASE

05818427 EMBASE No: 1994225267
Modification of myosin isozymes and SR Casup 2sup +-pump ATPase of the diabetic rat heart by lipid-lowering interventions
Rupp H.; Elimban V.; Dhalla N.S.
Division of Cardiovascular Sciences, St. Boniface General Hosp. Res. Ctr., 351 Tache Avenue,Winnipeg, Man. R2H 2A6 Canada
Molecular and Cellular Biochemistry (MOL. CELL. BIOCHEM.) (United States) 1994, 132/1 (69-80)
CODEN: MCBIB ISSN: 0300-8177
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

...was also reduced in diabetic rats fed miglyol or treated with acipimox. Since low serum insulin or triiodothyronine concentrations in diabetic rats were not improved by these interventions but changes in Vinf

3...

...treated or propranolol-treated rats in comparison to untreated diabetic rats. Serum thyroid hormones and insulin were not altered, whereas triglycerides were reduced but not significantly by these antiadrenergic agents. Lowering serum lipids in diabetic rats by treatment with etomoxir, miglyol and acipimox increased the depressed SR Casup 2sup +-stimulated ATPase activity. On...
DRUG DESCRIPTORS:
*acipimox; *adenosine triphosphatase (calcium)--endogenous compound --ec; *etomoxir; *miglyol; *myosin adenosine triphosphatase isoenzyme--endogenous compound --ec
MEDICAL DESCRIPTORS:
* diabetes mellitus
animal cell; animal experiment; article; cell organelle; controlled study; enzyme activity; enzyme inhibition; glucose utilization; insulin blood level; lipid blood level; lipid metabolism; male; nonhuman; rat; sarcoplasmic reticulum; thyroid hormone blood...

19/3,K/11 (Item 11 from file: 73)
DIALOG(R)File 73:EMBASE

05364624 EMBASE No: 1993132709
No effect of growth hormone treatment on axonal transport of slow component a in diabetic and nondiabetic rats
Sidenius P.; Braendgaard H.; Flyvbjerg A.
Department of Neurology, Hvidovre Hospital,DK-2650 Hvidovre Denmark
Journal of Diabetes and its Complications (J. DIABETES COMPLICATIONS) (United States) 1992, 6/2 (105-110)
CODEN: JDICE ISSN: 1056-8727
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

No effect of growth hormone treatment on axonal transport of slow component a in diabetic and nondiabetic rats

...transport of slow component a (SCa), i.e., neurofilaments, is an early event in experimental diabetes as well as hypothyroidism, and common to these metabolic derangements are decreased levels of serum insulin -like growth factor I (IGF-I). To evaluate the possible connection between these facts, we...

...from about 1500 mug/L in controls to about 600 mug/L in diabetics. GH treatment (100 mu/rat twice daily) normalized IGF-I for the first week of diabetes , after which the level decreased to the level of the untreated diabetics. The SCa transport...

...06 mm/day, (n = 11) in GH-treated controls). The lack of effect of GH treatment can be due to blockage of IGF-I synthesis or the decreased level of thyroid hormone, triiodothyronine (T3), in the diabetic rats.
DRUG DESCRIPTORS:
*human growth hormone--pharmacology--pd; *liothyronine--endogenous compound --ec; *somatomedin c--endogenous compound --ec; *streptozocin; * thyroxine--endogenous compound --ec
MEDICAL DESCRIPTORS:
* diabetes mellitus; *diabetic neuropathy--complication--co

19/3,K/12 (Item 12 from file: 73)
DIALOG(R)File 73:EMBASE

04790762 EMBASE No: 1991285498
Triiodothyronine-receptor complex in rat brain: Effects of thyroidectomy, fasting, food restriction, and diabetes
Sanchez B.; Jolin T.
Instituto de Investigaciones Biomedicas, Consejo Superior de Investigaciones Cientificas, c/ Arturo Duperier 4, 28029-Madrid Spain
Endocrinology (ENDOCRINOLOGY) (United States) 1991, 129/1 (361-367)
CODEN: ENDOA ISSN: 0013-7227
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Triiodothyronine -receptor complex in rat brain: Effects of thyroidectomy, fasting, food restriction, and diabetes

...an isotopic equilibrium technique or RIA, were used to examine the effects of thyroidectomy, fasting, diabetes , and food restriction on Tinf 3 concentration and specific binding in cerebral cortex and cerebellum...

...not affect the Tinf 3 binding parameters in the brain areas studied. Both thyroidectomy and diabetes were accopanied by a reduction in Tinf 3 content in nuclei from both cerebral cortex...
...No significant differences in the binding affinity values among the experimental groups were seen. The diabetes -induced decrease in Tinf 3 content and receptor number were completely reversed by insulin treatment . Studies with fractionated nuclei from cerebral cortex and cerebellum showed that diabetes resulted in a reduction in Tinf 3 content and the number of receptors in glial...

Poss.

...to those of neuronal cells, but the Tinf 3 receptor number is decreased in the diabetes state.
DRUG DESCRIPTORS:
* insulin --pharmacology--pd; *liothyronine--endogenous compound --ec; * propylthiouracil--pharmacology--pd; *thyroxine--pharmacology--pd
MEDICAL DESCRIPTORS:
*brain; *caloric restriction; * diabetes mellitus; *thyroidectomy
CAS REGISTRY NO.: 9004-10-8 (insulin); 6138-47-2...

19/3,K/13 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

01544782 JICST ACCESSION NUMBER: 92A0359860 FILE SEGMENT: JICST-E
Serum Thyroglobulin Concentration in Patients with Diabetes Mellitus.
NAKAMURA S (1); SAKATA S (1); KOJIMA N (1); KOMAKI T (1); MATSUDA M (1); MIURA K (1)
(1) Gifu Univ., Gifu, JPN
Endocrinol Jpn, 1987, VOL.34,NO.4, PAGE.473-478, FIG.3, TBL.1, REF.19
JOURNAL NUMBER: F0625AAQ ISSN NO: 0013-7219 CODEN: ECJPA
UNIVERSAL DECIMAL CLASSIFICATION: 616.39
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Serum Thyroglobulin Concentration in Patients with Diabetes Mellitus.
ABSTRACT: The serum thyroglobulin (Tg) concentration was measured in 97 patients with diabetes mellitus (39 males, 58 females). Hyper Tg-nemia which exceeds the normal range (1.0...

...of 50 cases treated with oral hypoglycemic agents, 4 out of 26 cases treated with insulin). There was no significant correlation between concentrations of serum Tg and triiodothyronine (T3), thyroxine (T4), fasting plasma glucose (FPG), and hemoglobin A1c (HbA1c). However, a

positive correlation was observed between serum concentrations of Tg and thyroid stimulating hormone (TSH). Patients with diabetes were divided into three groups according to the mode of treatment (Group I; diet alone, n=21, Group II; oral hypoglycemic agents, n=50, Group III; insulin , n=26). No significant difference in the serum Tg concentration was observed among the three...

...than that in Group A. These results suggest that hyper Tg-nemia in patients with diabetes could be due to the increased TSH concentration which reflects latent subclinical primary hypothyroidism in...
...DESCRIPTORS: diabetes mellitus...

...phenolic compound ; ...

...aromatic iodine compound ;
...BROADER DESCRIPTORS: hydroxy compound ; ...

...aromatic compound ; ...

...aromatic halogen compound ; ...

...organohalogene compound ; ...

...organoiodine compound ;

19/3,K/14 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus

00881760 JICST ACCESSION NUMBER: 89A0238400 FILE SEGMENT: JICST-E
Hormonal regulation of malic enzyme synthesis on transcriptional and post-transcriptional step.
KATSURADA A (1); IRITANI N (1); FUKUDA H (1)
(1) Tezukayama Gakuin Junior Coll., Osaka, JPN
Tezukayama Gakuin Tanki Daigaku Kenkyu Nenpo(Tezukayama-Gakuin Junior College Annual Report of Scientific Studies), 1988, NO.36, PAGE.52-61, TBL.2, REF.19
JOURNAL NUMBER: G0338AAK ISSN NO: 0286-0317
UNIVERSAL DECIMAL CLASSIFICATION: 616.39
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

ABSTRACT: The effects of insulin and triiodothyronine on the transcriptional and post-transcriptional regulation of hepatic malic enzyme were investigated using diabetic...

...39%, respectively, of the values of normal rats, and the transcriptional rate was about 64%. Insulin treatment restored the transcriptional rate and mRNA concentration in 8h and the enzyme induction in 4 days. Thus, it is suggested that insulin stimulates the rate of the ranscription of malic enzyme gene and also possibly the translation of the enzyme in cytoplasm. When the diabetic animals were treated triiodothyronine , the transcriptional rate and mRNA concentration of malic enzyme were increased about twice and the enzyme induction, about 10-fold in the diabetic animals. These results suggested that triiodothyronine appears to stimulate malic enzyme transcription and possibly post-transcriptional steps even at very low insulin level.(author abst.)
...DESCRIPTORS: diabetes mellitus...

... insulin ; ...

...phenolic compound ; ...

...aromatic iodine compound ;
...BROADER DESCRIPTORS: hydroxy compound ; ...

...aromatic compound ; ...

...aromatic halogen compound ; ...
...organohalogene compound ; ...

...organoiodine compound ;

19/3,K/15 (Item 3 from file: 94)
DIALOG(R)File 94:JICST-EPlus

00744665 JICST ACCESSION NUMBER: 89A0461820 FILE SEGMENT: JICST-E
Effect of experimental diabetes on epidermal growth factor(EGF) receptors in the rat liver.
NATSUMI YOSHIHIRO (1); KASHIMATA MASANORI (1); HIRAMATSU MASAHIKO (1)
(1) Meikaidai Shi
Meikai Daigaku Shigaku Zasshi(Journal of Meikai University School of Dentistry), 1989, VOL.18,NO.1, PAGE.21-36, FIG.7, TBL.4, REF.55
JOURNAL NUMBER: Z0804ABO ISSN NO: 0916-0701
UNIVERSAL DECIMAL CLASSIFICATION: 577.112.016 591.13:547.917 591.132.5.05+591.436
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Effect of experimental diabetes on epidermal growth factor(EGF) receptors in the rat liver.
...ABSTRACT: receptor on the target cells. In this study, we investigated and effect of streptozotocin-induced diabetes on EGF receptors on rat liver plasma membranes. An apparent increase in serum glucose concentration was observed in diabetic rats, and treatment of diabetic animals with insulin normalized the glucose concentration to the control level. There was no marked difference in hepatic...

...in control animals. The value in diabetic animals was about 55% of the control level. Insulin treatment of diabetic animals restored the binding of 125I-EGF to the control level, whereas triiodothyronine (T3) treatment had no effect. Scatchard analysis of the binding data clearly showed that the decrease in...
DESCRIPTORS: diabetes mellitus...

... insulin ; ...

...urea compound ;
...BROADER DESCRIPTORS: vic-polynitrogen compound ; ...

...nitroso compound ;

19/3,K/16 (Item 4 from file: 94)
DIALOG(R)File 94:JICST-EPlus

00474179 JICST ACCESSION NUMBER: 87A0440895 FILE SEGMENT: JICST-E
Effect of experimental diabetes on epidermal growth factor (EGF) receptors in the rat liver.

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(1) Josai Dental Univ.
Nippon Yakurigaku Zasshi(Folia Pharmacologica Japonica), 1987, VOL.89,NO.5, PAGE.253-259, FIG.5, TBL.2, REF.35
JOURNAL NUMBER: G0740AAR ISSN NO: 0015-5691 CODEN: NYKZA
UNIVERSAL DECIMAL CLASSIFICATION: 591.132.5.05+591.436
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

Effect of experimental diabetes on epidermal growth factor (EGF) receptors in the rat liver.

ABSTRACT: The effect of streptozotocin-induced diabetes on 125I-labeled epidermal growth factor (EGF) binding was studied in microsomal membranes from rat...
...the decrease in EGF binding was due to a decrease in the number of receptors. Treatment of diabetic animals with insulin restored EGF receptors to control levels, whereas the treatment with triiodothyronine had no effect. Serum EGF concentrations measured were almost the same among the control, diabetic, and insulin -treated diabetic groups. These results suggest that insulin deficiency in vivo causes a decrease in hepatic EGF receptors.(author abst.)
...DESCRIPTORS: diabetes mellitus...

... insulin ; ...

...urea compound ; ...

...phenolic compound ; ...

...aromatic iodine compound ;
...BROADER DESCRIPTORS: vic-polynitrogen compound ; ...

...nitroso compound ; ...

...hydroxy compound ; ...
...aromatic compound ; ...

...aromatic halogen compound ; ...

...organohalogene compound ; ...

...organoiodine compound ;

19/3,K/17 (Item 1 from file: 98)
DIALOG(R)File 98:General Sci Abs/Full-Text

04101407 H.W. WILSON RECORD NUMBER: BGSA99101407 (USE FORMAT 7 FOR FULLTEXT)
Biology of senescent liver peroxisomes: role in hepatocellular aging and disease.
Youssef, Jihan
Badr, Mostafa
Environmental Health Perspectives (Environ Health Perspect) v. 107 no10 (Oct. 1999) p. 791-7
SPECIAL FEATURES: bibl il ISSN: 0091-6765
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 7622

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... albeit not to the same degree as with xenobiotics. Among these conditions and factors are diabetes (31,32), changes in thyroid hormone levels (33,34), cold adaptation (17), endotoxin exposure (35...

...this receptor (Figure 1) (42). These chemicals promote differentiation of preadipocytes and act as an insulin -sensitizing agent (43). Activation of PPAR subtype, however, was not enough to potentiate preadipocyte differentiation...proliferators are similar. In a more detailed study in our laboratories (66), striking results showing compound -specific effects were observed (Table 6). Although aging-related differences appeared to exist in the...

...ligands (70).

Peroxisome proliferators induce malic enzyme gene transcription, which is a known response to treatment with thyroid hormones (68), through the action of heterodimers of PPARa and RXR (71). In...

...animals are more susceptible to the hepatocarcinogenic effect of peroxisome proliferators (55,59). Long-term treatment with either of the peroxisome-proliferating chemicals nafenopin or WY-14,643 produced numerous hepatocellular...6. Age-related responses of hepatic peroxisomal b-oxidation to various peroxisome proliferators.

Compound	Young (10 weeks old)(FNa)	Old (100 weeks old)
PFOA	100(FNb)	62(FNb,*)

WY-14,643...McMahon G. Light and electron microscopy of liver in hyperlipoproteinemic patients under long-term gemfibrozil treatment . Atherosclerosis 43:19-37 (1982).
26. Eacho P, Foxworthy P, Johnson W, Hoover D, White...

...90:1691-1696 (1981).
32. Thomas H, Schladt L, Knehr M, Oesch F. Effect of diabetes and starvation on the activity of rat liver epoxide hydrolase, glutathione S-transferase and peroxisomal...V, Grolier P, Noel-Suberville C, Garcin H, Higueret P. Aging decreases retinoic acid and triiodothyronine nuclear expression in rat liver: exogenous retinol and retinoic acid differentially modulates this decreased expression...

19/3,K/18 **(Item 2 from file: 98)**
DIALOG(R)File 98:General Sci Abs/Full-Text

03811102 H.W. WILSON RECORD NUMBER: BGSI98061102 (USE FORMAT 7 FOR FULLTEXT)
Risk assessment of thyroid follicular cell tumors.
Hill, Richard N
Crisp, Thomas M; Hurley, Pamela M
Environmental Health Perspectives (Environ Health Perspect) v. 106 no8 (Aug. '98) p. 447-57
SPECIAL FEATURES: bibl il ISSN: 0091-6765
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 12657

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... the thyroid, can be converted from a less active thyroxine (T4) to a more active triiodothyronine (T3) form. Thyroid hormone is also

metabolized by the liver, largely by conjugation reactions, and...

...graft recipients (7). These experimental manipulations were done in the absence of any exogenous chemical treatment but demonstrate the seminal qualitative role that TSH plays in thyroid carcinogenesis. Quantitatively, its significance...result in mutations, but in changes in gene expression that can affect the carcinogenic process.

Treatment regimens that produce thyroid tumors in rodents can be conceptualized in regard to initiation and...

...two-stage experiments in which a mutagenic agent such as radioactive iodide is followed by treatment with a nonmutagenic goitrogen (e.g., a chemical inhibitor of thyroid hormone synthesis), the first agent acts like an initiator and the second behaves as a promoter (38).

* When treatment with a goitrogen alone leads to tumor formation, TSH increases cell division among normal cells...

...the thyroid seems to be affected by an interplay among several mitogenic factors, namely TSH, insulin -like growth factor 1 (IGF-1), insulin , epidermal growth factor (EGF), and possibly fibroblast growth factor (FGF). Still other factors such as...

...phorbol ester tumor promoters, which increase protein kinase C, also stimulate thyroid cell division.

EGF, insulin , and IGF-1 act through tyrosine kinase receptors. TSH increases EGF binding to its receptor and enhances cell division. IGF-1 and high doses of insulin may influence the TSH receptor. Iodide decreases thyroid cell adenylate cyclase and calcium levels, and...of cell replacement and how this relates to doses producing tumors. Reversibility of effects following treatment cessation during the early stages of disruption of the thyroid--pituitary axis shows that permanent...potential for carcinogenic effects. Overt hypothyroidism, with reduced thyroid hormone and increased TSH levels, requires treatment ; it has an incidence of about 0.2[percent] in women and less in men...

...incidence increases significantly with age. There is not agreement as to whether these people need treatment (92). Some with hypothyroidism may go for some time before diagnosis and treatment . The possible consequences of chemical exposure on this subpopulation of individuals may warrant consideration.

The...

...X F

Cancer sensitivity	F = 2.5 X M	M > F

Abbreviations: T4, thyroxine; T3, triiodothyronine ; TSH, thyroid stimulating hormone; M, male; F, female.

Table 2. Default dose-response procedures for...

...1. Hypothalamic-pituitary-thyroid axis. Abbreviations: TRH, thyrotropin-releasing hormone; TSH, thyroid stimulating hormone; T3, triiodothyronine ; T4, thyroxine.

Figure 2. Possible molecular events in human thyroid (follicular) carcinogenesis. Abbreviations: TSH, thyroid-stimulating hormone; IGF-1, insulin -like growth factor 1; EGF, epidermal growth factor; FGF, fibroblast growth factor; gsp, GTP-binding...34. Todd GC. Induction and reversibility of thyroid proliferative changes in rats given an antithyroid compound . Vet Pathol 23:110-117 (1986).

35. McClain RM, Posch RC, Bosakowski T, Armstrong JM...

...the goitrogenic and tumorigenic effect of two goitrogens in combination with hypophysectomy or thyroid hormone treatment . Cancer 45:2138-2148 (1980).

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eds). 16 ed. Philadelphia, PA:Saunders, 1982;1201-1225.
71. National Institute of Diabetes & Digestive & Kidney Diseases. Human Thyroid Stimulating Hormone Radioimmunoassay (hTSH RIA). Bethesda, MD: National Institutes of...
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